



O T V A R C

Aug.-Sept. 1980

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB
PO Box 42485 Portland, Oregon 97242

MEETING: WEDNESDAY, SEPT. 17th-6:30 FOR DINNER
7:00 MEETING--ELMERS PANCAKE HOUSE-BVTN. MALL

A GREAT BIG THANKS-TO DAN BERGE OF THE WATT SHOP FOR AN ENLIGHTENING PROGRAM ON MOON BOUNCE. Very much appreciated by all. Appears that to be a dedicated bouncer you got to have patience. A little money for multiple arrays might be of some help too. Seven years to make WAS on 2m. has got to be a thrill. Every time you get a new one you go out to dinner to celebrate... Hmmm!!!

Joe, of Portland Radio fame, came through with a neat Luxo type goose arm, goose neck, spring loaded light. Very nice raffle prize and for the life of me I can't remember who won it. Anyway, many thanks to Joe for the donation, not only for this meeting but several gone by. We gave away 5 or 6 din-dins also and most of them went to one table. The poor devils had a Goke for dinner. Ha-Ha!!!! Speaking of dinners, please try to get to the meeting by 6:30 if you intend to eat. Got to get the meetings going closer to the intended time. A whole bunch of people end up rag chewing out in the parking lot. The joint closes at 9:00 and this winter just might be a little cold for that type of activity. It is difficult to get the meeting under way when the waitress is still serving so if we can get going earlier we can get done earlier and rag chew in the comfort of the meeting room.

WE WILL HAVE-a loudspeaker system that everyone can hear. We will have the system at the upcoming meeting. It will be either donated or rented but rest assured there will be no more programs that cannot be heard in the back part of the room. It is unfortunate that several people, during our last program, found it necessary to conduct their own conversation and with our limited audio system, drowned out the program for some of those in the rear area of the room. SURE WISH that during a speaking program everyone would save the chit-chat for later. Either that or go outside if you happen to be bored!!!!!! Thanks in advance...

Neil is working on a loudspeaker set-up and I bet it is a converted Motorola rig of some sort. Whatever it is, it will be appreciated. Carters little FM system has been greatly appreciated also but not quite enough power. Kind of running this PA thing into the ground but-when you are in the back--.



Protecting your gear

The FBI in Washington, D.C., maintains a computer file listing of stolen property; the National Crime Information Center (NCIC). Any police department with a computer terminal can check a serial-number item in a matter of seconds to see if it's in the NCIC file as stolen. The number that you need to engrave on your rig is an OAN (Owner Applied Number) and it should be the one that's already in the NCIC computer—i.e., your state driver's license number, preceded by your state's two-letter code. Example: Your driver's license number is T157363... So, your OAN is ILT157363. (IL is for Illinois).

By using your driver's license number, you have automatically linked your gear with your name and address. The way this engraved number is actually most often used is when a local detective nabs someone with what looks like "loot" and sees what he recognizes as an Illinois OAN engraved on it. He goes into the computer and runs a check on the owner, who then can testify in court against the suspect. Sorry to say, but the local fuzz may be more interested in making a court case than in getting your rig back to you, but it sometimes works out that you do get it back anyhow.

P.S. Your Social Security number doesn't mean anything to NCIC, so don't use it.
— 220 Notes * West, Tucson, Ariz. □

Some good points.
Some bad. —→
What do YOU think?

Book Review

Vertical Users

by C. Schwartzbard, D.D.S.,
AF2Y

Norm Brooks, K6FO

Do you use a vertical antenna? If so, have you ever wondered whether it would work better by moving it from the ground to your rooftop? Or perhaps atop a pole? Perhaps you wished you had two of them so you could install them differently and make comparisons.

That's exactly what "Doc" Schwartzbard, AF2Y did. From his small, crowded New Jersey lot he compared the results from two 5BTV Hustler verticals in three comparative situations. His results are extremely interesting.

He has published those results in a 33-page booklet: Vertical Users — Novice to Extra. You can order the booklet from him direct at 213 Dayton Avenue, Botany Village, Clifton, NJ 07011.

Doc has obviously put a lot of work into these three major antenna experiments, and deserves to be compensated for it. However, (and here's the bad news), the price of \$5.95 for the book seems somewhat steep for the 33-page report. Regardless, you serious vertical users may find report worthy of the price. □

Phone band expansion

Mr. Robert B. Thurston
7700-31st Avenue, N.E.
Seattle, Wa. 98115

Dear Mr. Thurston:

I have been instructed by the Trustees of the Western Washington DX Club to communicate to you the following letter. The Western Washington DX Club, by the way, represents over 525 amateurs, of whom approximately 90% are members of the ARRL.

We strongly urge the ARRL Director to petition the Federal Communications Commission to expand the frequencies available to U.S. amateurs for phone use. We request the following segments of the amateur bands be allocated for such use: 3.750-4.000 MHz, 7.050-7.300 MHz, 14.100-14.350 MHz, 21.200-21.450 MHz, and 28.400-29.700 MHz.

The primary reasons for our request are threefold. First, those portions of the bands identified above which U.S. amateurs are currently precluded from using are grossly under-utilized. Several members of the club recently maintained a watch, for example, over the segment from 14.100-14.200 MHz for a period of several weeks, and were shocked and dismayed by the lack of use by foreign amateurs. The amateur frequencies are a precious and finite resource. We can ill afford to waste them. In view of the projected rate at which the U.S. amateur population is expected to grow, the tremendous overcrowding which currently exists, the limited portions of the amateur band allocated for phone use by Americans will only intensify.

The second reason for our demand is that the artificial advantages given to foreign hams years ago because of their limited, relatively primitive equipment and small wire antennas is no longer appropriate. Foreign amateurs now generally possess expensive, sophisticated equipment which enables them to be fully competitive with U.S. amateurs. Thus, the rationale for the special protection which we so benignly granted foreign amateurs years ago is no longer valid.

Finally, the confinement of U.S. amateurs to narrower ranges of frequencies than those available to amateurs of all other countries constitutes an unacceptable and unwarranted form of discrimination. Given the tremendous contributions of American amateurs and technology to the field of Amateur Radio over the years, it is ironic indeed that U.S. amateurs are singled out for such prejudicial treatment.

We implore the League's directors to bring pressure to bear upon the Federal Communications Commission to take prompt action to expand the American phone bands. This is an opportunity for the League, on the heels of its important contribution WARC-79, to use its considerable influence to effect an essential and long-overdue change on behalf of America's amateur radio operators.

Richard Bennett, N7CY
Secretary,
Western Washington DX Club □

Interservice MARS

The following data outlining the Air Force MARS program was submitted by CMS Tom Walden, Scott Air Force Base, IL:

MARS was established by the Air Force in November, 1948. That action implemented AF MARS as a separate entity under the provisions of the DoD Directive 4650.2. The primary mission was, and remains today as "to provide DoD-sponsored emergency communications on an international, national, and local basis as an adjunct to normal military communications." In conjunction with that mission, it performs such functions as providing auxiliary communications for military and civil officials during periods of emergency, supporting base disaster response forces, and assisting in affecting normal communications under emergency conditions.

a. The MARS Transcontinental, overseas gateway and regional systems provide the necessary network ties to support the primary mission.

b. Auxiliary communications are provided by National Guard and Reserve forces auxiliary stations and affiliate MARS members.

c. We have 22 military stations ranging from four 24-hour per day, fully-manned operations to over 100 unmanned facilities that respond to MAJCOM and base disaster response forces emergency communications needs.

A fall-out benefit of MARS has been its morale and welfare mission, typified by overseas phone patch operations. This reached its heyday during the Southeast Asia conflict, then MARS activities declined. Renewed emphasis on readiness, survivability and emergency communications caused a resurgence of MARS. This is basically due to recommendations made from the DoD study of MARS in 1975. That study questioned the need for and the viability of MARS and came out strongly supportive on both counts. The significant change in basic thrust is to a system providing last ditch, simple, survival emergency communications.

Summary

MARS was established as an emergency communications system. Its role during previous conflicts turned more to morale and welfare support, but has reestablished itself as viable resource for emergency communications support. □

NEED Suggestions
for PROGRAMS! Got any?

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PICNIC-CAMPOUT

The event was fairly succesful in that not too many showed up. Those in attendance were Tom and Nancy, ETR-Dennis, AI7G-Doug and Linda, XI-Ron and XYL, 4Z4AI-Gary, RKW- Marianne, CVR-Jon, VWX-Al and Mary, SIC. The weather was just fine and everyone enjoyed themselves. Several Jeep trips were taken and the old winch got a work-out. Badminton was very popular and it was discovered that Dennis had the top talent in that area. Lawn darts, card games and a roaring campfire topped off the week-end. Too bad it is so hard to get the members out. For the best results it could be a good idea to have an activities committee. Any volunteers ??????????????

NEW MEMBERS

P.S. Ray-N7ALV attended also !!

We welcome the following new members this month. Jim Schmitt, KA7DUG-Dennis Fisk, KA7GHS- Larry Johnson, K7LJ-Bill Wolverton, KA7DHU- and Eran Agmon, AK7Q. VERY nice to have you all in the club and as always, hope that you jump right in and take part. We are now up to 76 members and getting close to a period of change. We MUST undertake to have varied activities available so as to keep up the interest level. You can look forward to Bunny Hunts and Contests!!!!

DOWN									
1	2	3	4	5	6	7	8	9	10
11						12			
13					14				
	15	16	17	18	19		20		
21						22	23		
24						25		26	27
28			29		30			31	
	32	33		34		35		36	
37						38			39
					40			41	
42	43	44	45	46			47	48	
49									

ACROSS

- | | |
|------------------------|-------------------------------|
| 1. 9L land | 31. Slippery one |
| 11. KP2 islands | 32. 9X land |
| 12. 9H land | 36. Mac |
| 13. Old novice prefix | 37. TY land |
| 15. 8R land | 38. Trindade prefix |
| 20. Table scrap | 39. Argentina prefix |
| 21. 9J land | 40. Gabon prefix |
| 22. Local highway | 41. Instrument Landing System |
| 24. Military Police | 42. 9A land |
| 25. 9G land | 49. 9M2 land |
| 28. South Yemen prefix | |

OK, you hot shot DX'ers, here is your chance to show just how much you have to learn. If a DX call book is needed, you failed. BET no-one in the club can do this without help!! Got over 125 under the belt on this end and flunked it... If you can stand up in front of the club and honestly state that you got it all without help, you have a free dinner!!!!
GOOD LUCK.....



DX WORLD

YASME Award

The YASME Award was established by the YASME Foundation at the recent annual Board of Directors meeting. The award is free-of-charge to any Radio Amateur presenting proof of contact with the holders of 30 different YASME DXpedition calls, including any calls held by YASME officers or directors, past or present. Send your application along with your QSL cards to Dick McKercher, W0MLY. No address was given, so most likely the CBA (Callbook address) is O.K.

This is no easy award to complete and would take several years of YASME hunting to do this as the Colvins don't hit 30 countries at a time. Calls from this last trip would apply: J3ABV, VP2SAX, J6LOO, J7DBB, VP2KAH and HI6XQL.

Mozambique

This one should be activated in September by ZS5UU for a one-week stay. It is reported that there are no licensed Radio Amateurs in Mozambique at this time. And not too long ago, (prior to independence), one had no problem finding a CR7 station on the bands.

Prohibited Operations

It appears with all these new third world countries coming about that they cannot trust their citizens, (or outsiders), with Amateur Radio. Liberia has been off the air since April, just after a recent military coup. Malawi has also banned Amateur Radio, and in Burundi there are no legal operations on Amateur Radio.

Western Caroline Islands

There are a few stations on from this island group. KC6DC can be found at 14.280 to 14.300 MHz from 1000 UTC, and above 14.300 MHz you can find KC6CV almost daily from 1000 UTC with his QSL manager, KB0AJ.

And this fall, KC6BS will be back on again after a three-month vacation out of the area.

Kuwait

Look for 9K2DR on or about 21.280 MHz daily from 0200 to 0300 UTC. He has also been known to frequent the 10-meter band around 28.600 MHz from 1300 UTC.

Want to sell any gear?? Give us a call.... Happy to list it. 640-5456

Fire ravages HF band

The phone portion of the 20-meter band was hit by a freak fire last week that destroyed over 10 kiloHertz, according to FCC special frequency engineer, Marvin Larpsnogg.

Apparently, the fire originated on about 14.280 MegaHertz following an unusually long series of QSOs by an undetermined number of California stations running high power and extreme modulation compression. Several A0 carriers were observed at the same time and may have contributed to starting the blaze.

"The fire just spread up and down the band", Larpsnogg said during an interview on "Transmit to the Nation". "We had to turn off all the HF bands from 40 through 10-meters in an attempt to smother the flames", he said.

After nearly three hours, the FCC had the fire under control. Most HF bands were backed to normal use the following day; however, 20-meters will be closed for an undetermined number of weeks.

Sandy Ampersand, League of Radio Relaying Americans spokesperson, said the fire was the worst such incident since the infamous 5-meter holocaust completely wiped out that band for all time in 1945.

— Richardson Wireless Klub

Check out this chuckle!!
Those poor G's sure take a beating.
Wonder why??

Federal Frequency Directory

This directory, by Robert Grove, WA4PYQ, is the largest and most useful publication of its kind ever published. It contains more than 100,000 listings of frequencies, agencies and locations of active U.S. government communications stations operating in the 2-420 MHz portion of the spectrum.

The Federal Frequency Directory is not just another public safety frequency list; it contains only Federal Government frequencies. Departments like Justice, Air Force, Coast Guard, Treasury, Interior, FAA, NASA, Navy, Commerce and dozens more are included.

The directory is 100% accurate, derived exclusively from U.S. Government computer files under the Freedom of Information Act — no hit-and-miss private lists, no guessing. And it contains nearly 20 times the listings of its closest competitor.

The book is not a threat to our national security and Federal law enforcement. The information contained is unclassified. All agencies have had ample time to exclude their listings under provisions of the Freedom of Information Act, and some have elected to do so.

The price of this directory is only \$14.95 postpaid, about 7,000 listings for a dollar — much less per listing than any other publication available. Order your copy of this limited printing edition from Grove Enterprises, Inc., Route 1 Box 156-4, Brasstown, NC 28902.

Field Day as emergency preparedness exercise

Tim Bratton, K5RA

Most amateurs in Dallas and many Klub members would probably say that Field Day is just another contest as far as RWK is concerned. It is true that we emphasize the contest aspect more than a lot of other clubs because we go out to win, not just to "have a good time".

I would like to point out to our detractors that staging a winning Field Day performance, as we have done consistently for over eight years, takes an enormous amount of hard planning and physical work in addition to a crew of skilled operators.

In this regard, RWK Field Day is not unlike a communications emergency situation. Success there requires planning, work, and also good operators. If you drive 75 miles to set up a station in a storm-ravaged town and, due to bad planning, you arrive with no AC outlet strips or coax connectors or other two-bit accessory you can get at any Radio Shack, you will not get on the air. You might as well be home. The same is true at Field Day.

If you arrive at an emergency scene and you do not know how to erect a mast, prepare guy wires, or get a bulky generator to run smoothly, you are not going to provide the timely communications service that the public has come to expect of amateur operators. No matter what the other purposes of RWK Field Day, the event IS an operating exercise in the field that simulates closely emergency operating conditions. It provides excellent training in most of the communication aspects of emergency operation.

— Richardson Wireless Klub

Notice HW-101 owners

By Dan Laxon, W4DL

Courtesy of Heath Engineering Section here are modifications to improve the performance of the Heath 101 transceiver:

1. Tubes V-10 and V-11 change to 6SH6 from 6AU6; either tube may be used.
2. R-113 in screen circuit of V-4 change to 4700 or 10K to improve I-F response.
3. R-106 in screen of V-3 change to 33K 1 watt to prevent S meter drift.
4. R-107 in screen of V-3 change to 100K 1 watt to prevent S meter drift.
5. Pilot lamps should be #47 not #44.
6. R-202 in grid circuit of V-5 remove and replace with a jumper to improve transmit drive especially on 40 meters. Output improved.

7. Comb brackets used to position the switch boards were aluminum, are now plated steel Part No. 204-2096. These brackets should be soldered to the circuit board shields and to the outside corner (side rail side) of the driver grid and driver plate boards. This improves grounding of the driver circuitry.

— Florida Skip

Articles courtesy Worldradio

FIELD DAY AWARDS



For those unfortunate few who could not make the meeting you are now informed as to the winners of the second annual OTVARC-field day contest. Last year we gave a set of binoculars for the first place top operator and a Pendelton blanket for the second prize. This years winners of the Fearless Field Day Final award are Pat-AC7N for top dog in CW and Alan Marks-N7BNQ for his great job on phone. If you weren't at the meeting to see the trophies that is too bad. Ask Pat or Alan about them.... No binoculars but some pretty cute-type awards. Eran (Ron) was top overall but

as he was a guest and not a member it was deemed proper to give the awards to club members for a club function. Ron has joined our ranks, as of this month, so watch out for next Field Day. The electric Wok was given to the hosts of our recent Field Day outing and they made the statement that we would be more than welcome next year. They thought our conduct was excellent and we left the grounds as good as new. That is very good news. The site is super for a large group but as you who were there know, not the best for results. So long as the club is family oriented, we should keep that type of area for future use. Thanks to Warren for getting it!!!!

Tom and Nancy left the ARRL convention and continued up into Canada and eventually ended up at the Jellystone Ham Fair. Tom cleaned up a couple of firsts in the bunny hunting and won the home brew contest. Not bad for a relaxing type vacation. Bet those people can hardly wait for the return of W7ETR and his family.. The home brew award was a dash something or other tube worth about \$200.00 bucks. Anybody for a ham fair??

JACKETS-AGAIN??

YES-not giving up on club jackets. We have about six of the ten needed for a reorder and just want to press a little bit. How about more of you well paid working people getting on the ball and ordering one-or two-super comfortable coats for yourself and or family. All we have to do is talk our jacket committee into showing up at a meeting and bringing some ORDER FORMS!!!! Step right up and get yourself some warmth for winter. Might do your ego some good to have your self a coat with your name and call, not th mention the club you are affiliated with plastered all over your back. An N7 or a KA7 is nothing to be ashamed of. Buy a jacket, show off and promote YOUR club!!!!

Sorry about the mistakes but am typing this at MOO MEADOW and it is cold and raining. Not only that, it is tough listening to HF, VHF, TV, Stereo and playing cards all at the same time. REALLY tough, this camping out thing. Oh well, there is always next year for you unfortunates!!

If you are not a member of ARES but would like to be or want info on what it is all about give Wes, K7WWG a call. In the meantime, try the little ditty below and see how you do. I am modestly outfitted and came up with 123 pts. Wes could no doubt use such information in the event of a serious emergency. If you are so inclined, you might give the form to him or if more convenient, mail it. Whatever, be ready!!

Races/ARES readiness survey

Name _____

Call _____

Races member _____

ARES member _____

Date _____

Check (✓) those items you have with you. The number in parentheses is the number of points you receive for each item.

- | | |
|-------------------------------------|--|
| _____ clock or watch (2) | _____ small amt. of cash (10) |
| _____ local map (2) | _____ first aid kit (1) |
| _____ flashlight (working) (3) | _____ rain gear (3) |
| _____ paper, pen or pencil (10) | _____ blanket (1) |
| _____ amateur license (10) | _____ hand held 2nd or 3rd battery (5) |
| _____ 1/2 (or more) tank of gas (3) | _____ camera and film (3) |
| _____ mag. mount antenna (2) | _____ snacks (1) |
| _____ empty gas can (1) | _____ drinking water (2) |
| _____ jumper cables (1) | _____ candles, matches (1) |
| _____ amateur message forms (5) | _____ spotlight (1) |
| _____ B.C. radio (1) | _____ small tape recorder (2) |
| _____ binoculars (1) | _____ 2-meter radio (10) |
| _____ first aid kit (1) | _____ HF mobile radio (5) |
| _____ tow chain/strong rope (1) | _____ log book (5) |
| _____ work gloves (1) | _____ hard hat (2) |
| _____ tools (3) | _____ VOMF (3) |
| _____ spare tire (2) | _____ spare mike (2) |
| _____ hatchet or ax (1) | _____ portable soldering iron (1) |
| _____ shovel (1) | _____ compass (3) |
| _____ can/bottle opener (1) | _____ siphon hose (3) |

At home station, do you have the following?

- | | |
|--|---|
| _____ accurate clock (3) | _____ amateur message forms (5) |
| _____ tape recorder with 3 hours of tape (2) | _____ spare antenna (safe from lightning) (5) |
| _____ barometer (3) | _____ capability to operate independent of primary power mains (inc. lightning) (10) |
| _____ anemometer (3) | _____ battery pack to run 2-meter rig (5) |
| _____ rain gauge (5) | _____ TV set near operating position (2) |
| _____ telephone (near operating position) (2) | _____ first aid training? (At least 8 hrs.) (5) |
| _____ detailed street maps of city and surrounding towns (5) | _____ Write down your cw speed _____ |
| _____ operational tone decoder (10) | _____ If you own a gasoline-powered 115V 60 HZ generator, has it been checked out in the past three months? _____ |
| _____ 2-meter radio that will operate on: _____ | |
| _____ 146.28/88 (5) | |
| _____ 147.84/24 (5) | |
| _____ 147.66/06 (5) | |
| _____ 146.22/82 (3) | |
| _____ 147.96/36 (2) | |
| _____ 146.13/73 (5) | |
| _____ Are you skywarn trained? (10) | |
| _____ CPR trained? (5) | |
| _____ class of license _____ | |

MY TOTAL POINTS _____

Generally speaking, which of the following times can you be available for service?

_____ 7 a.m. to 7 p.m.

_____ 7 p.m. to 7 a.m.

Signature _____

Club given VW bus

Mecklenburg Amateur Radio Society is the fortunate recipient of a Volkswagen bus, the gift of Henderson Bell Enterprises.

President Kinney has received a letter from the company confirming the donation of the bus, a 1973 model, and it is expected that formal presentation of the Title and keys will take place at this month's club meeting. Arrangements for this gift were made through the good efforts of club member, Frank Wilson.

It is expected that the club will outfit the vehicle for emergency mobile operation, and that it will also be used during various outings, contests, and other activities of the club.

Mecklenburg ARS News

Pretty neat deal. If one of the members has an in with a local dealer and that dealer has an old van or bus sitting around, maybe he would be interested in some publicity in regard to donating a vehicle for emergency services purposes. Really a dreamer type statement but you never can tell!! Very easy to envision a mobile repeater, a set up for both HF and VHF, set for medical aid, and etc.. Not to mention an excellent means of transportation for us when it comes to toting Field Day gear. Could also be used as a club station and as a live demo for our ham class activities. Really is a daydream idea but if it could come about, WOW!! WHO HAS IDEAS???

If anyone is interested in setting up a contest group, please let your interest be known. We need to begin setting up some varied types of activities. Any help would be appreciated... How about bunny hunts??



NEWS

BULLETIN



It's too late to give a report on the barn dance shindig or the Handi-Ham project and our apologies. A complete run-down will be in the next newsletter. Typing, copy and mailing make it tough to get within 10 to 14 days of an event report.

This may sound rather silly but Xmas is not far off and as last years XMAS party was such a rip roaring success, perhaps we should have another this year. How about it???

Congrats to Jack Willyerd, KA7EHS, for his recent upgrade to tech.. Now for that code!! Don't forget, our ham classes start the last week of September. Spread the word and you might consider upgrading yourself.. Call PCC at 645-4461-- ext. 220....

The Walla Walla ham fair is set for Sept. 20 and 21. Guess they really put on a good one so if you have the time, you might give it a whirl. Heard that last year they had a real stomping parking lot party. The Motel parking lot of all places. Must have been a wild one. Some of you might want to pool it and save a few bucks on petrol...

Dinner for this meeting will be chicken and the good old sandwich will once again be a cheeseburger basket. Sure hope that meets with the approval of the masses. Steak would be neat but--- PLEASE stick to the menu of the evening.....

PROGRAM

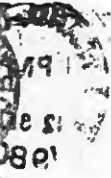
Dolph Grolock, KB2ANW, has a presentation regarding a pooling of talents and resources for more efficient coverage during a period of disaster. It has to do with the setting up of a permanent station in a fixed location. Part of his plan was heard over a cup of coffee at the convention in Seattle. He has quite a story to tell and has related it to several clubs as well as to those people who are heavily involved in ARES and etc.. Dolph is a very sharp guy and really knows his subject. It appears that those groups who have heard him are for him. Lets see what it is all about!!!!

See you all at the meeting on the 17th. Treat yourself to a dinner and you might even bring the spouse. (for a change)

[REDACTED]



OLIVAR
P.O. BOX 42485
PORTLAND, OR 97242



[Faint, illegible text block]